

## ABSTRACT

An anisotropically conductive sheet which does not contaminate an object of connection, does not adhere to the object of connection even when it is left to stand for a long period of time in a state pressurized by the object of connection under a high-temperature environment and can prevent or inhibit electric charge from being accumulated to eliminate an adverse influence by static electricity, a production process thereof, and applications thereof. The anisotropically conductive sheet has an anisotropically conductive sheet body formed by an elastic polymeric substance and having a plurality of conductive parts extending in a thickness-wise direction of the sheet body and an insulating part mutually insulating these conductive parts, and a DLC film integrally formed on one or both surfaces of the anisotropically conductive sheet body so as to cover at least the insulating part.